

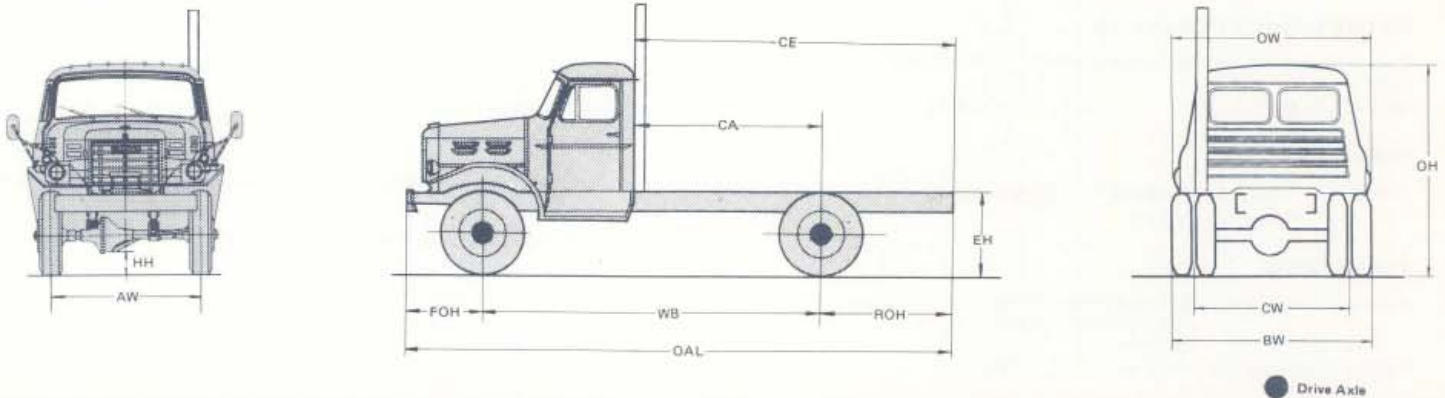


ISUZU TSD 45

HEAVY DUTY DIESEL TRUCK
CHASSIS-CAB
ALL WHEEL DRIVE

MODEL 4x4

TSD45 : GVW 12,500 kg, ENGINE 6BD1



DIMENSIONS

Unit: mm (in)

Code Model	Chassis cab weight kg(lb)	OAL	WB	FOH	ROH	CE*	CA*	OW	AW	BW	CW	OH Approx.	HH Approx.	EH Approx.
TSD45	3,825 (8,435)	6,465 (254.5)	4,000 (157.4)	910 (35.8)	1,555 (61.2)	3,770 (148.4)	2,215 (87.2)	2,200 (86.6)	1,680 (66.1)	2,285 (89.9)	1,740 (68.5)	2,430 (95.6)	230 (9.0)	1,030 (40.5)

*CE & CA dimensions are effectively reduced by 125mm with fitment of vertical exhaust.

SPECIFICATIONS

Item	Model	TSD45
MAX. GROSS VEHICLE WEIGHT (Permissible)	(off road) kg/lb	12,500/27,500
MAX. GROSS COMB WEIGHT (Permissible)	(on road) kg/lb	16,000/35,280
WEIGHTS (Chassis-cab, Basic model)		
FRONT	kg/lb	2,215/4,885
REAR	kg/lb	1,610/3,550
TOTAL	kg/lb	3,825/8,435
PERFORMANCE (Designed)		
MAX. SPEED (on the flat)	km/h/mpg	88/54
MAX. GRADEABILITY WITH MAX. GVW	(tan θ)	0.449
FINAL GEAR RATIO (to 1)		6.500

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SPECIFICATIONS

ENGINE

Model	6BD1
Type	Four cycle, water cooled overhead valve, in line direct injection
No. of cylinders	6
Bore and stroke (mm/in)	102 x 118/4.02 x 4.65
Displacement (litre/cu.in)	5.785/353
Max. horsepower - JIS (ps/rpm)	110/3,200
Max. torque - JIS (m-kg/ft-lb at rpm)	380 at 2,000
Compression ratio (to 1)	17.5

AIR CLEANER: Donaldson cyclopac Std. 6BD1 type

ENGINE LUBRICATION SYSTEM

Pressure feed with full flow paper type oil. For 6BD1 filter
With oil cooler. 6BD1

COOLING SYSTEM

Radiator; Tube and corrugated fin, pressured type
Heavy duty radiator

FUEL SYSTEM

Fuel injection pump; Reformed Bosh in line For 6BD1 with mechanical type governor
Fuel tank capacity (Litre/imp gal) 180/40.0

CLUTCH

Dry single plate with cushioning springs
Size; outside diameter (mm/in) 350/14.0
Clutch control system; Hydraulic

TRANSMISSION

Isuzu 5-speed direct, synchromesh on 2nd, 3rd, 4th and 5th floor mounted, direct control
Gear ratio (to 1)

T/M TYPE	1ST	2ND	3RD	4TH	5TH	REV.	Note
MBD5C	6.890	3.918	2.419	1.569	1.000	6.304	Std

TRANSFER CASE

Type; 2-speed; herical gear direct and low speed
Gear ratio (to 1). 1.000/1.561

WHEELS AND TYRES

Wheels and rims 7.00T x 20 rims, 8 holes disc wheels from June production
Tyres 9.00-20-14PR LUG

AXLE, FRONT

Split, fully floating, single reduction spiral bevel gear
Capacity (kg/lb) 3,500/7,716
Tread (mm/in) 1,680/66.1
Gear ratio (to 1) 6.500 (6/39)

AXLE, REAR

Banjo fully floating, single reduction nonspin hypoid
Capacity (kg/lb) 9,200/20,285
Tread (mm/in) 1,740/68.5
Final gear ratio (to 1) 6.500 (6/39)

BRAKES, SERVICE

Standard; Air hydraulic twin circuit, 2 leading and dual 2 leading front/rear
Exhaust brake

BRAKE, PARKING

Mechanical internal expanding at rear of transfer case

FRAME

Ladder type double channel section
Ladder type channel section for

SUSPENSION

Semi-elliptical alloy steel leaf spring, lever type single acting shock absorber at front

ELECTRIC SYSTEM AND INSTRUMENT

Battery (volt/amp. hr) 12/65, 2 pieces
Alternator (volt/watt) 24/600
Starter (volt/kilowatt) 24/3.7
Speedometer with odometer, Meter for fuel, water temperature and oil pressure, Warning lamp for charging, vacuum and clogged oil filter, Indicator lamp for turn signal, main beam and starter heater control (control resistance).

STEERING

Recirculating ball
Min. Turning circle (m/ft) 17.4/57

CAB AND GENERAL EQUIPMENT

All steel cab with wide windshield, Adjustable driver seat, Glove compartment, Ash tray, Outside and inside rear view mirrors, Hazard warning flasher, Dual electric horns, Two speed windshield wiper, Windshield washer, Floor mat, Hydraulic jack and tool, West coast type mirrors.

From June; Laminated windshield glass, Seat Belt, Power take off, No control lever, Factory option - PTO front mounted winch, Spare tyre/carrier, General hand tool, Heater and defroster, Auto drain cock, Tachometer/hour recorder, Rear end of frame eye bolt, Towhook for front and rear.

NOTE: Engine Performance (DIN)

	6BD1	
Max. output kW/rpm	110	/3,200
Max. torque N-m/rpm	380	/2,000

GMH 12/20 WARRANTY:

Every Isuzu is protected by the GMH Warranty which covers your vehicle for the first 12 months or 20,000 kilometres.

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Vehicle should not be driven in all wheel drive on hard surface or bitumen roads.

Pre-release information